

# Hwee Shan Wong

Software Engineer



## About me

Hi, my name is Hwee and currently a software engineer in Natwest Group. I am passionate about developing tools and products to boost engineering experience. I have experience in delivering microservices using the twelve-factor app methodology, designing event-driven architecture and implementing infrastructure solutions and services.

Grew up trilingual (English, Mandarin, Malay).

## Skills

Java Ansible Golang

Python Apache Kafka

MongoDB

Pivotal Cloud Foundry (PaaS)

AWS Terraform Consul API

Splunk Linux AppDynamics

Docker CICD Cucumber

Serenity Kubernetes

## Contact

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HweeWong

## Experience

### Software Engineer

**Natwest Group, Edinburgh** | since April 2018

- Automated the onboarding process to developer tools. Reduced cycle time from 48 hrs to 5 mins.
- Delivered Spring Boot Java microservices in event-driven architecture and have deep understanding of the system design.
- Actively engaged in system design decisions/architecture. Collaborated closely with customers/SMEs in agile development.
- Cultivated behaviour-driven and test-driven development within the team which enhanced system reliability and team's devops metrics. KPI - 50% reduction in software development cycle time.
- Drove infrastructure and tooling improvements. Presented proof of concepts for various authentication/authorisation modules for tools.
- Mentoring junior engineers and continuously building best practices within the team such as codifying workflow using plantuml.

### Technology Service Analyst

**Natwest Group, Edinburgh** | Sep 2017 – Apr 2018

- Responsible for migrating server data from bespoke tools to standardised ServiceNow Configuration Management Database for better consolidation of enterprise data.
- Automated data gathering and validation process for the migration work to make sure data quality was high and consistent.
- Drove the implementation of agile ways of working in my team through creation of short-term, manageable goals and Kanban boards.

### Chemical Engineer

**Merck, Sharp & Dohme (MSD), Newcastle** | Aug 2015 – Sep 2016

- Supported technical operations in solid-dose tablet production facility and operated within GMP standards.
- Solved process deviations and problems by identifying root causes using Lean Six Sigma methodologies.

## Education

MEng Chemical Engineering with Industrial Experience, University of Manchester

Sep 2013 – Jun 2017

First Class Honors

A Levels, Taylor's College

Jan 2012 – Jun 2013

4A\* in Chemistry, Biology, Physics, Mathematics

## Contributions

### Women In Tech Secretariat

Actively supporting gender balance within workplace. Running python workshops to promote software development.

### STEM Ambassador

Encouraging students to appreciate Science, Technology, Engineering and Math (STEM) subjects by engaging them in interesting experiments and sharing work experience.

### STV Big Scot Quiz Volunteer

Volunteered to assist and coordinate the running of a major, high-profile charity event that was held concurrently in Edinburgh and Glasgow which raised £35,000.